# NWS Weather Event Simulator 5.0
# Release Notes

**NWS Warning Decision Training Branch**
**Norman, OK**

WES5.0 Installation

To install WES5.0, please consult the INSTALL_WES5.0.pdf file on the install CD.
All WFO's, including those who were WES5.0 beta test sites, need to install WES5.0.

What's New in WES5.0

1. **Updated with AWIPS OB5.0**

   - TDWR data processing capability
   - Dig DMD product included in each radar (kxxx) Graphics menu
   - <casename>/procs directory is no longer used in OB5.0 to store procedures. Now procedures are stored in the <casename>/userPrefs directory

2. **Improved Performance:**

   - WES feeds data to AWIPS every 15 seconds resulting in radar scans being displayed individually instead of in groups
   - Added AWIPS processes check to alert user to hung processes that can cause failed simulations
   - Conversion to DRT format adds links making all data visible after conversion is complete

3. **Enhanced Case Review Application:**

   - New tool to start D2D with enhanced capabilities for case review
   - Initiates AWIPS processes needed to fully enable FFMP and SCAN tables in case review of original or DRT format data
   - WarnGen is not operational in Enhanced Case Review (still need to run a simulation for this)

4. **Storm Track Information**

- STI product made visible in a simulation (if archived) allowing for algorithm motion to be included in 8 BIT SRM product through the Radar Display Controls

5. **WESSL:**

   - Added ability to view many more image types in WESSL using the "-image" tool
   - Added a "-scrolltext" tool which adds a vertical scrollbar to text thus preventing long lines of text from disappearing off-screen

6. **WES Bug Fixes:** The following bugs were fixed in WES 5.0

   - Running a simulation immediately after creating FFMP data caused the FFMP processor to fail in the simulation
   - Missing DMD directory structure caused failed set start time

7. **start_awips, start_simulator, enhanced_case_review added to path**

   - It is no longer necessary to be in the DRT directory in order to run these commands from a shell window

8. **Updated Interstate / Radar Shapefiles and afos PIL files:**

   - The interstate shapefiles (us_inter.*) were updated from the NOAA1 server (in010605.*) to fix an incorrect labeling problem
   - The radar shapefiles (fsl-w88d.*) were also updated with the latest version (w805my05.*)
   - afos2awips and afosMasterPIL text files were updated from the NOAA1 server on July 22, 2005

## WES5.0 Known Problems

1. **SCAN and DMD Data:**

   - The format of both SCAN and DMD data has changed in OB5.0.
   - You must create new SCAN and DMD data by running a simulation. After this, a script needs to be run to update the original files. (refer to Appendix C of the of the WES5.0 install instructions for full instructions)

2. **FFMP Data:**

7/27/05

- The format of FFMP data changed in OB5.0. You must recreate all old FFMP data by using the "Create FMP Data" function under the tools menu using an OB5.0 localization. Section 11.1 of the WES5.0 install instructions details this process

3. **TextQC.config Settings**

- The textQC.config file in the nationalData directory has been configured to eliminate some QC pop-ups. If you would like to fully enable the QC checking on text products, copy over your textQC.config file from your operational AWIPS

4. **DMD Data in Volume Browser**

- If you encounter a "No Inventory" pop-up while using the Volume Browser to display DMD data, follow these steps to fix:
  o Load DMD from the kxxx – Graphics menu
  o In the "Choose by ID" tool under the "Tools" menu, enter the radar (KXXX) in the blank space next to "HOME" and enter a Meso ID in the blank space next to the point A (If the "Choose by ID" tool locks up, restart D2D)

## WES5.0 Post Install

As with all major WES releases, new localizations need to be built for older cases to display properly with the OB5.0 in WES5.0. For more information on this, see the WES5.0 installation instructions.

## WES6.0 Development

The next WES release, WES6.0, is planned to shortly follow the release of AWIPS OB6.0 (Oct – Nov 2005).

## Questions

Questions about WES5.0 installation or support should be sent to the soo_wes mailing list (soo_wes@comet.ucar.edu). Questions regarding shipping or obtaining WES for non-NWS use should be sent to Timm Decker (Timothy.B.Decker@noaa.gov) at the Warning Decision Training Branch.